

N. Johnson

#4

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/208,619

DATE: 08/02/1999
TIME: 16:21:32

INPUT SET: S32740.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

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(1) General Information

(i) APPLICANT: Hillman, Jennifer L.
Goli, Surya K.

(ii) TITLE OF THE INVENTION: NOVEL HUMAN MITOCHONDRIAL
MEMBRANE PROTEIN

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
- (B) STREET: 3174 Porter Drive
- (C) CITY: Palo Alto
- (D) STATE: CA
- (E) COUNTRY: USA
- (F) ZIP: 94304

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Diskette
- (B) COMPUTER: IBM Compatible
- (C) OPERATING SYSTEM: DOS
- (D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: 09/208,619
- (B) FILING DATE:
- (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/812,645
- (B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Billings, Lucy J
- (B) REGISTRATION NUMBER: 36,749
- (C) REFERENCE/DOCKET NUMBER: PF-0229 US

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 415-855-0555
- (B) TELEFAX: 415-845-4166

ENTERED

RAW SEQUENCE LISTING
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47
48 (2) INFORMATION FOR SEQ ID NO:1:
49
50 (i) SEQUENCE CHARACTERISTICS:
51 (A) LENGTH: 172 amino acids
52 (B) TYPE: amino acid
53 (C) STRANDEDNESS: single
54 (D) TOPOLOGY: linear
55
56 (ii) MOLECULE TYPE: protein
57 (vii) IMMEDIATE SOURCE:
58 (A) LIBRARY: BLADNOT04
59 (B) CLONE: 1318463
60
61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
62
63 Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
64 1 5 10 15
65 Cys Gly Gly Ala Phe Thr Met Gly Val Ile Gly Gly Gly Val Phe Gln
66 20 25 30
67 Ala Ile Lys Gly Phe Arg Asn Ala Pro Val Gly Ile Arg His Arg Leu
68 35 40 45
69 Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
70 50 55 60
71 Ser Phe Ala Val Trp Gly Gly Leu Phe Xaa Thr Ile Asp Cys Gly Leu
72 65 70 75 80
73 Val Arg Leu Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
74 85 90 95
75 Ala Leu Thr Gly Ala Val Leu Ala Ala Arg Ser Gly Pro Leu Ala Met
76 100 105 110
77 Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
78 115 120 125
79 Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn Ala
80 130 135 140
81 Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly Thr
82 145 150 155 160
83 Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His
84 165 170
85

86 (2) INFORMATION FOR SEQ ID NO:2:
87
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 655 base pairs
90 (B) TYPE: nucleic acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
93
94 (ii) MOLECULE TYPE: cDNA
95 (vii) IMMEDIATE SOURCE:
96 (A) LIBRARY: BLADNOT04
97 (B) CLONE: 1318463
98
99 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

RAW SEQUENCE LISTING PATENT APPLICATION US/09/208,619

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100
101 GCGCGGNCAG ACGNCAGCGC CATGGAGGAG TACGCTCGGG AGCCCTGCCC ATGGCGAATT      60
102 GTGGATGATT GCGGTGGAGC CTTCACTATG GGTGTCATCG GTGGCGGAGT CTTCCAGGCC      120
103 ATCAAGGGTT TCCGCAATGC CCCTGTTGGA ATTCGGCACC GGTGAGAGG TAGTGCCAAT      180
104 GCTGTGAGGA TCCGAGCCCC CCAGATTGGA GGTAGCTTCG CAGTGTGGGG GGGCCTGTTC      240
105 TNCACCATTG ACTGTGGCCT GGTGCGGCTT CGGGGCAAGG AGGATCCCTG GAACTCTATC      300
106 ACCAGTGGAG CATTGACCGG GGCTGTGCTG GCTGCCCGCA GTGGCCCACT GGCCATGGTG      360
107 GGCTCAGCAA TGATGGGGGG CATCCTGTTG GCCCTCATTG AGGGCGTTGG CATCCTCCTC      420
108 ACTCGCTACA CAGCCCAGCA GTTCCGAAAT GCGCCCCCAT TCCTGGAGGA CCCCAGCCAG      480
109 CTGCCCCCTA AGGATGGCAC CCCGGCCCCA GGCTACCCCA GCTATCAGCA GTACCACTGA      540
110 GGAAGCCACT GCCACCATGG GAGCTACTTC TCGGTTCCCT CCCCAGTGGT CTACCTCGAA      600
111 GGGAGGGCTG GCTCCCAGTT AGCCCTGGGA CCCTCCAGAG AGGGTTTCTA TCTGT      655
112

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(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
- (B) CLONE: GI 1770564

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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128 Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
129   1           5           10           15
130 Cys Gly Gly Ala Phe Thr Met Gly Thr Ile Gly Gly Gly Ile Phe Gln
131           20           25           30
132 Ala Ile Lys Gly Phe Arg Asn Ser Pro Val Gly Val Asn His Arg Leu
133           35           40           45
134 Arg Gly Ser Leu Thr Ala Ile Lys Thr Arg Ala Pro Gln Leu Gly Gly
135           50           55           60
136 Ser Phe Ala Val Trp Gly Gly Leu Phe Ser Met Ile Asp Cys Ser Met
137           65           70           75           80
138 Val Gln Val Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
139           85           90           95
140 Ala Leu Thr Gly Ala Ile Leu Ala Ala Arg Asn Gly Pro Val Ala Met
141           100          105          110
142 Val Gly Ser Ala Ala Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
143           115          120          125
144 Ala Gly Ile Leu Leu Thr Arg Phe Ala Ser Ala Gln Phe Pro Asn Gly
145           130          135          140
146 Pro Gln Phe Ala Glu Asp Pro Ser Gln Leu Pro Ser Thr Gln Leu Pro
147           145          150          155          160
148 Ser Ser Pro Phe Gly Asp Tyr Arg Gln Tyr Gln
149           165          170
150

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(2) INFORMATION FOR SEQ ID NO:4:

151
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RAW SEQUENCE LISTING
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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 158 amino acids
155 (B) TYPE: amino acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159 (ii) MOLECULE TYPE: protein
160 (vii) IMMEDIATE SOURCE:
161 (A) LIBRARY: GenBank
162 (B) CLONE: GI 557267
163
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
165
166 Met Ser Ala Asp His Ser Arg Asp Pro Cys Pro Ile Val Ile Leu Asn
167 1 5 10 15
168 Asp Phe Gly Gly Ala Phe Ala Met Gly Ala Ile Gly Gly Val Val Trp
169 20 25 30
170 His Gly Ile Lys Gly Phe Arg Asn Ser Pro Leu Gly Glu Arg Gly Ser
171 35 40 45
172 Gly Ala Met Ser Ala Ile Lys Ala Arg Ala Pro Val Leu Gly Gly Asn
173 50 55 60
174 Phe Gly Val Trp Gly Gly Leu Phe Ser Thr Phe Asp Cys Ala Val Lys
175 65 70 75 80
176 Ala Val Arg Lys Arg Glu Asp Pro Trp Asn Ala Ile Ile Ala Gly Phe
177 85 90 95
178 Phe Thr Gly Gly Ala Leu Ala Val Arg Gly Gly Trp Arg His Thr Arg
179 100 105 110
180 Asn Ser Ser Ile Thr Cys Ala Cys Leu Leu Gly Val Ile Glu Gly Val
181 115 120 125
182 Gly Leu Met Phe Gln Arg Tyr Ala Ala Trp Gln Ala Lys Pro Met Ala
183 130 135 140
184 Pro Pro Leu Pro Glu Ala Pro Ser Ser Gln Pro Leu Gln Ala
185 145 150 155
186

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/208,619

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Line

Error

Original Text

PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/208,619

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INPUT SET: S32740.raw

< < THERE ARE NO ITEMS MISSING > >

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SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/208,619

DATE: 08/02/1999
TIME: 16:21:34

INPUT SET: S32740.raw

Line	Original Text	Corrected Text
3	(1) General Information	(1) GENERAL INFORMATION:
8	(ii) TITLE OF THE INVENTION: NOVEL HUMAN MITO	(ii) TITLE OF INVENTION: NOVEL HUMAN MITOCHO